ABSTRACT

A bass loudspeaker apparatus capable of according with a horn-type midbass in both the appearance and acoustics is disclosed. A bass loudspeaker apparatus A is provided with a cabinet 70 having an inner space 75 and a sound emission opening 71 in a front section; a corn-type woofer 3 disposed within the cabinet 70; a baffle plate 2 having a woofer mounting section 72 and vertically disposed in the inner space 75 so as to face the sound emission opening 71; a resonant chamber 73 defined in front of the baffle plate 2 for communicating with the sound emission opening 71. The front ends of the loudspeaker apparatuses A and 80 are approximately aligned in the state that the sound source position of the bass loudspeaker apparatus A is aligned with that of the horn-type midbass 80. Thus, the uniformity in the appearance is secured. The resonant chamber 73 and the sound emission opening 71 are respectively designed such that resonance occurs between an air mass around the periphery of the sound emission opening 71 and an air spring within the resonant chamber 73 at a predetermined frequency range of 150 through 400 Hz. Therefore, the distortion in the frequency characteristic produced in the resonant chamber 73 can be easily corrected.